

Fig. 1

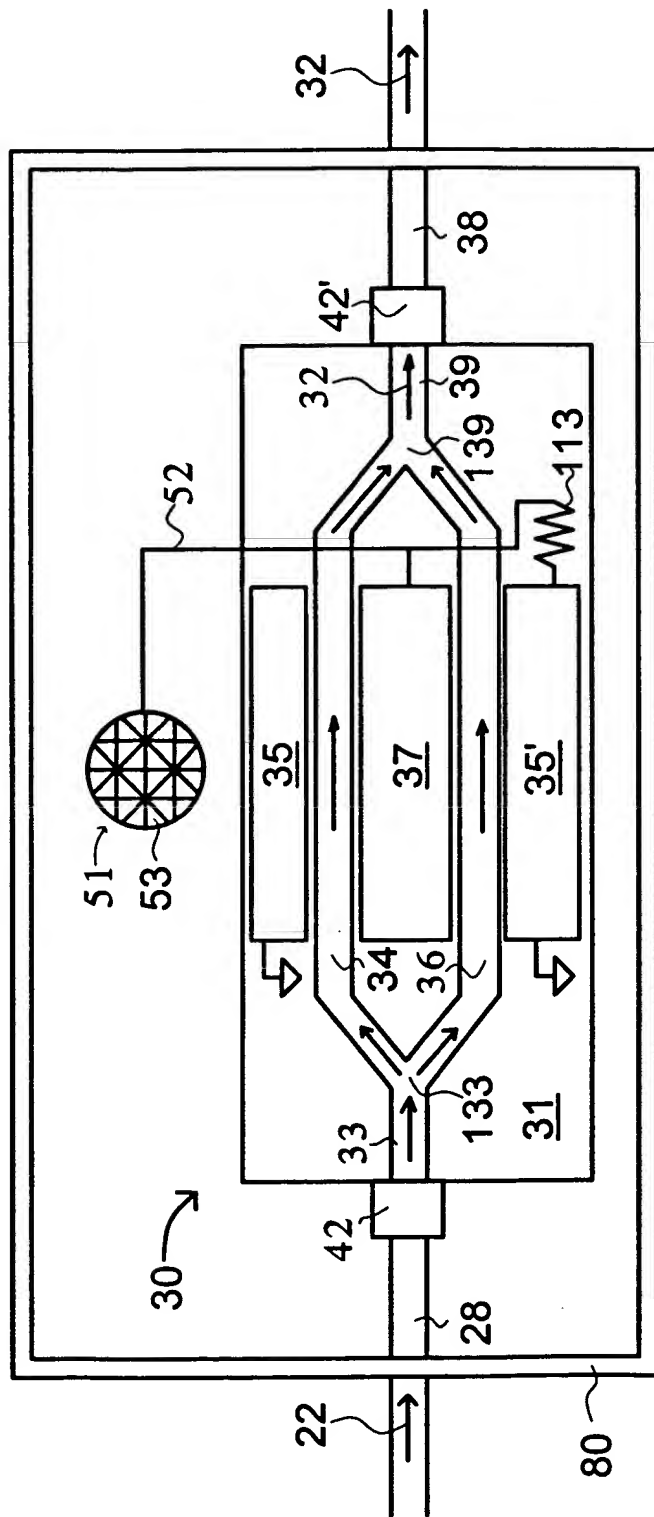


Fig. 2

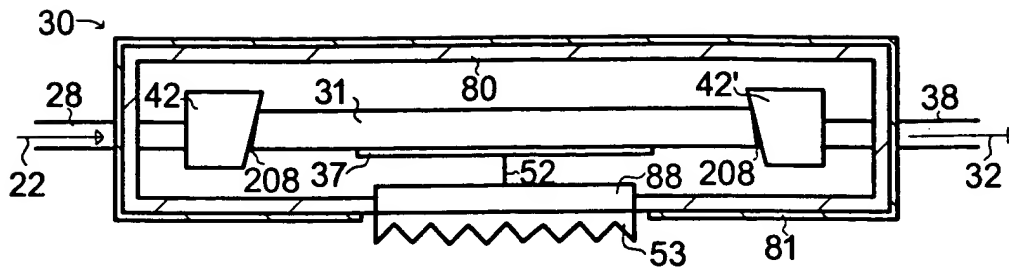


Fig. 3

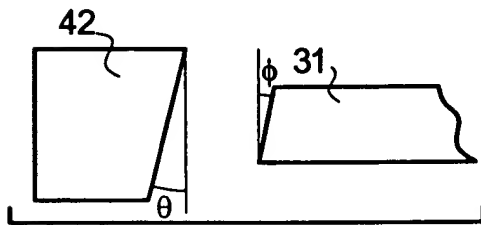


Fig. 4

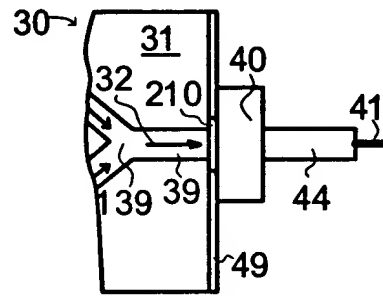


Fig. 5

Light Source <u>20</u>	Electro-Optic Modulator <u>30</u>	Photo- detector <u>40</u>
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Fig. 6

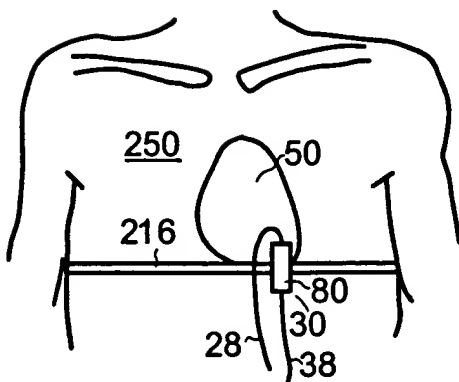


Fig. 7

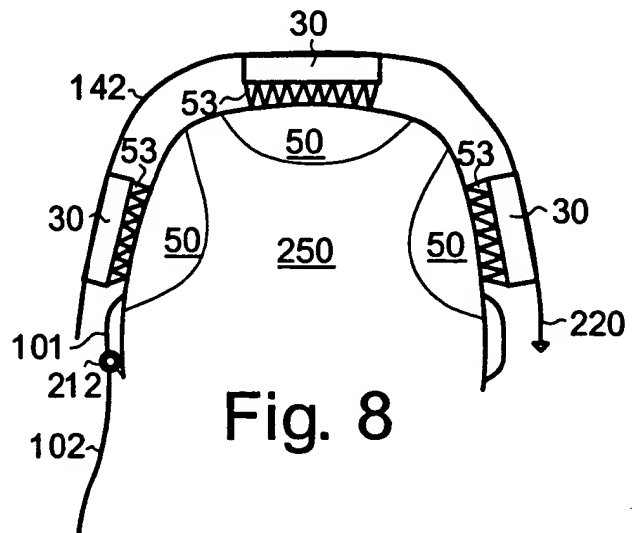


Fig. 8

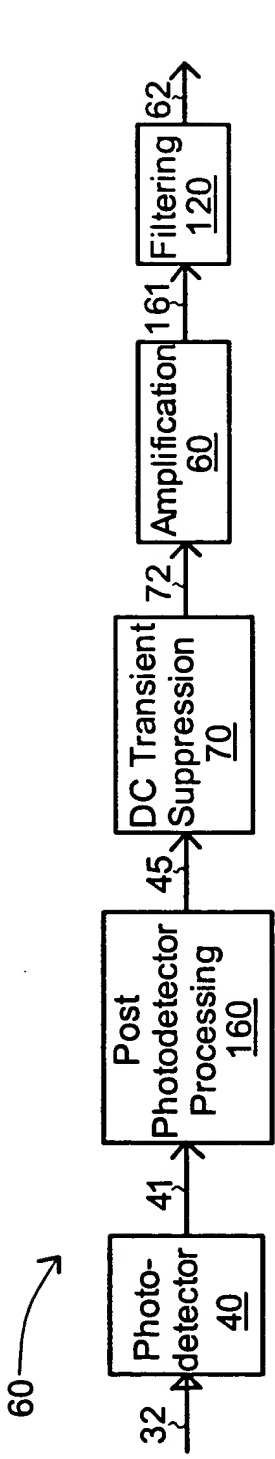


Fig. 9

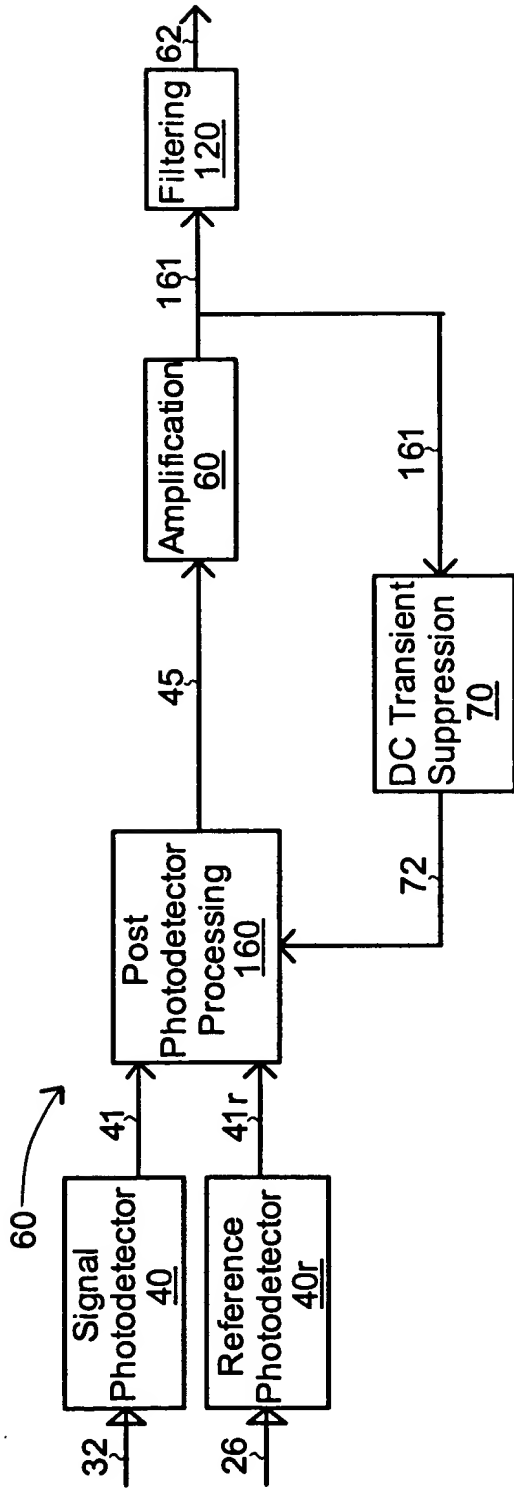


Fig. 11

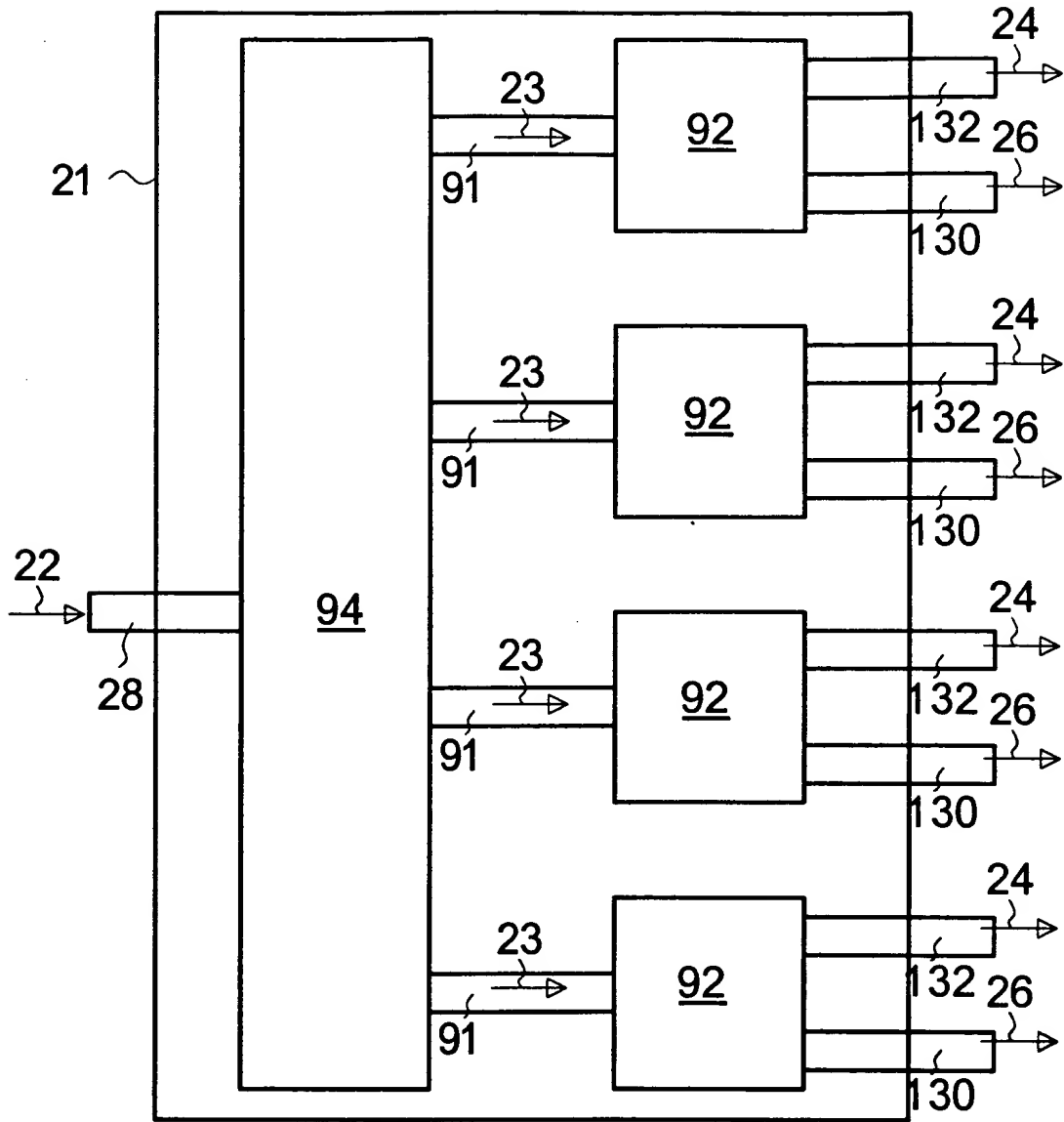
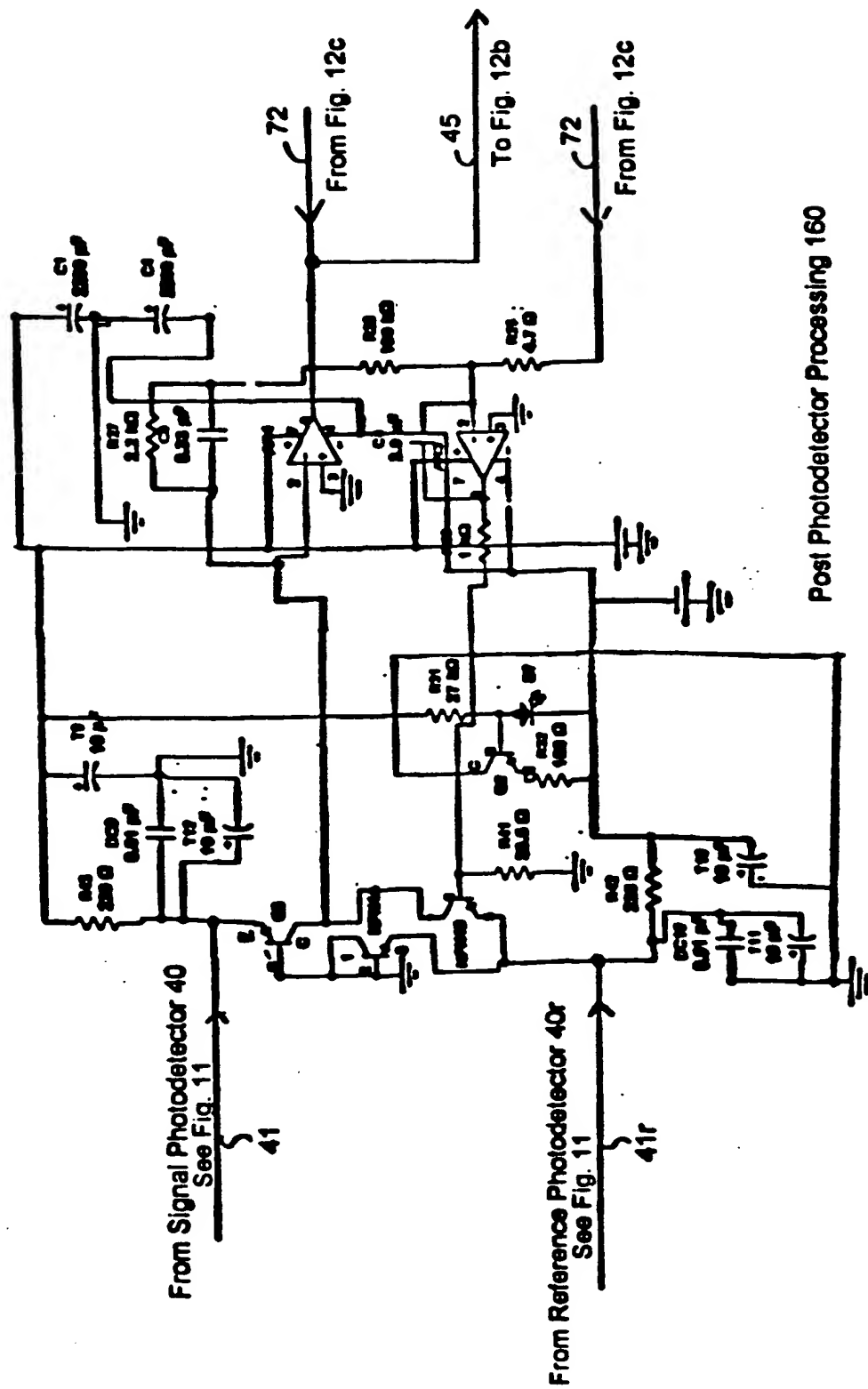


Fig. 10



Post Photodiode Processing 160

Fig. 12a

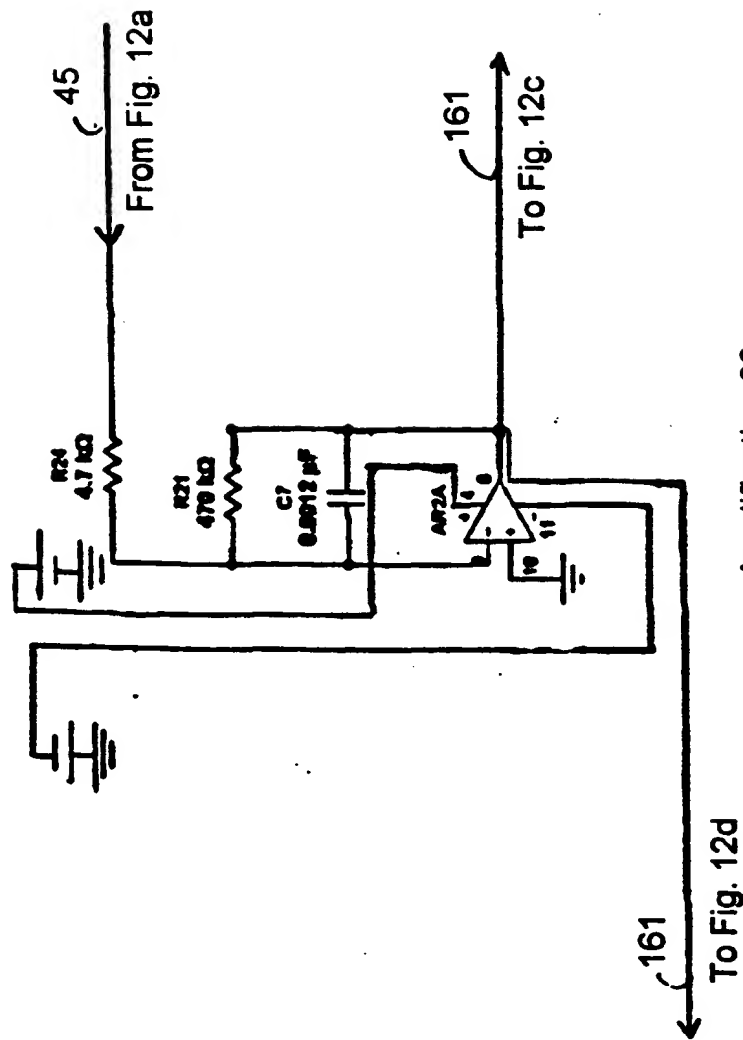
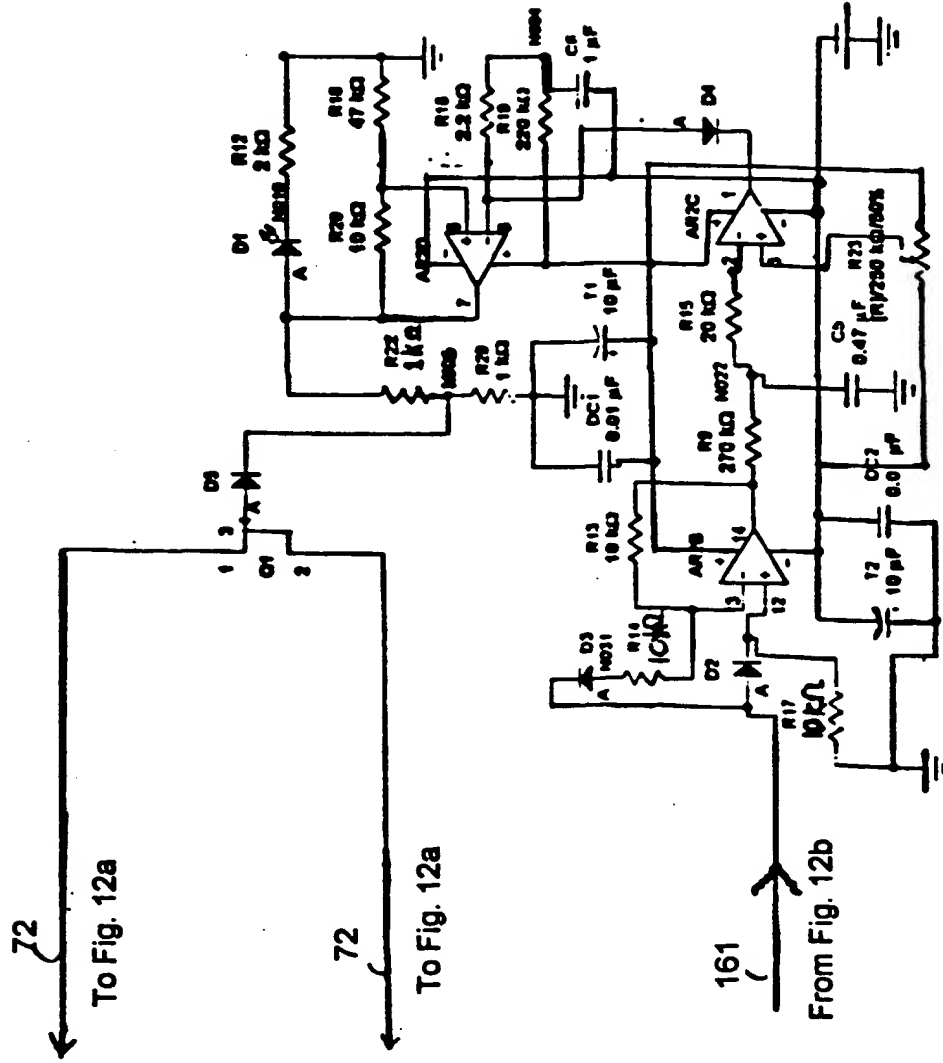


Fig. 12b



DC Transient Suppression 70

Fig. 12c

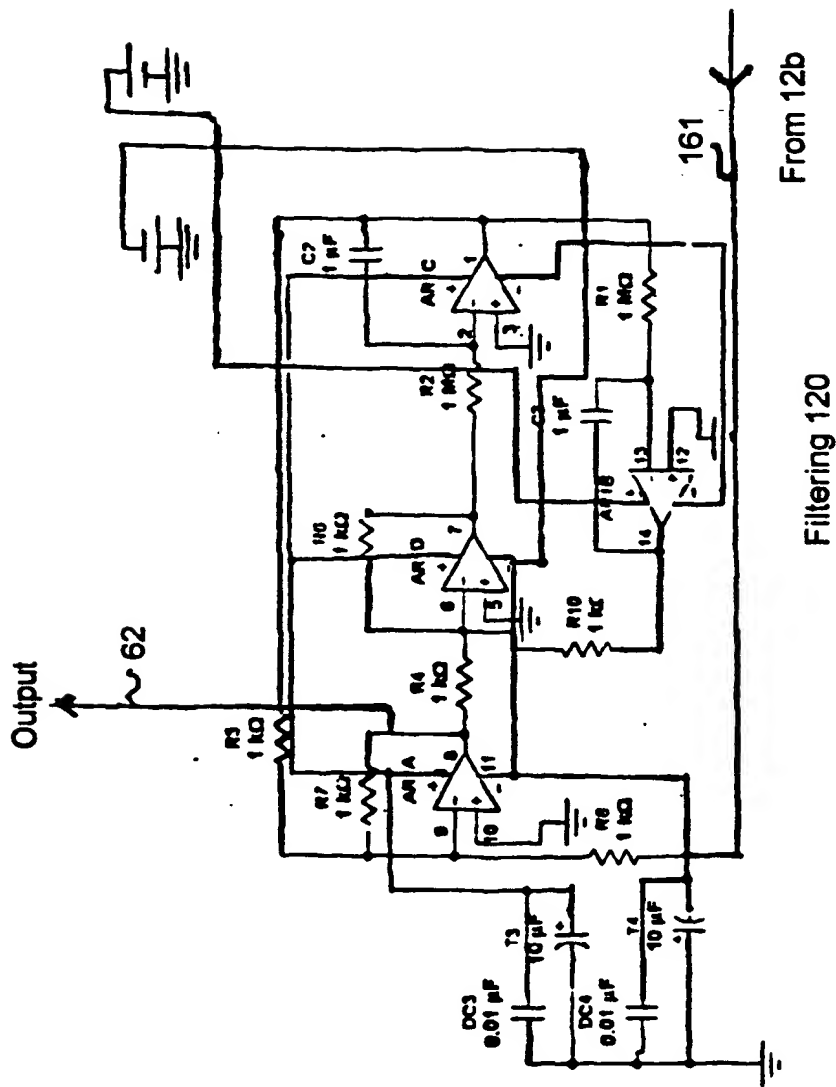


Fig. 12d

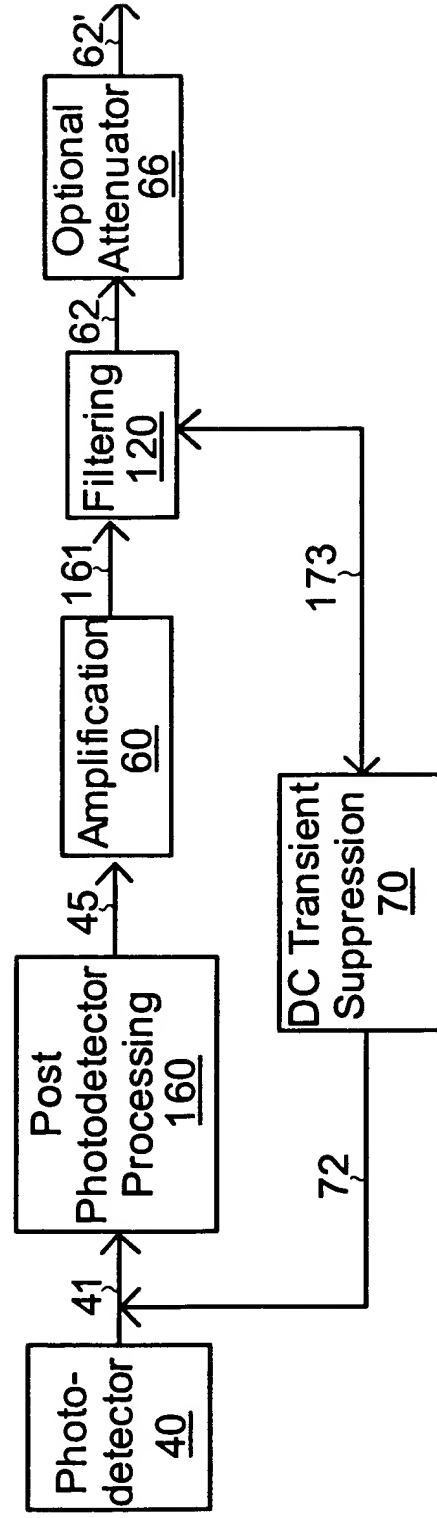


Fig. 13

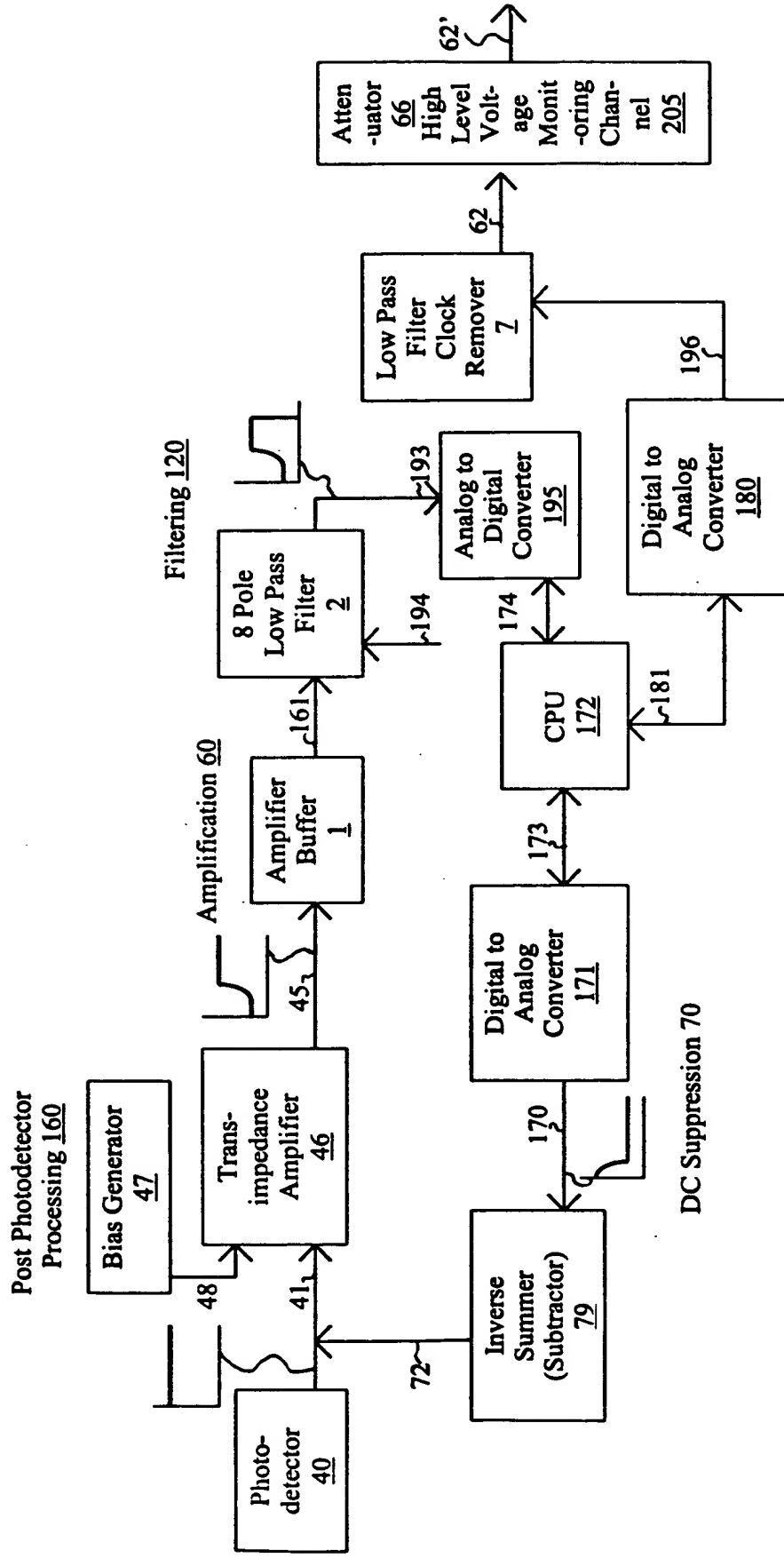


Fig. 14

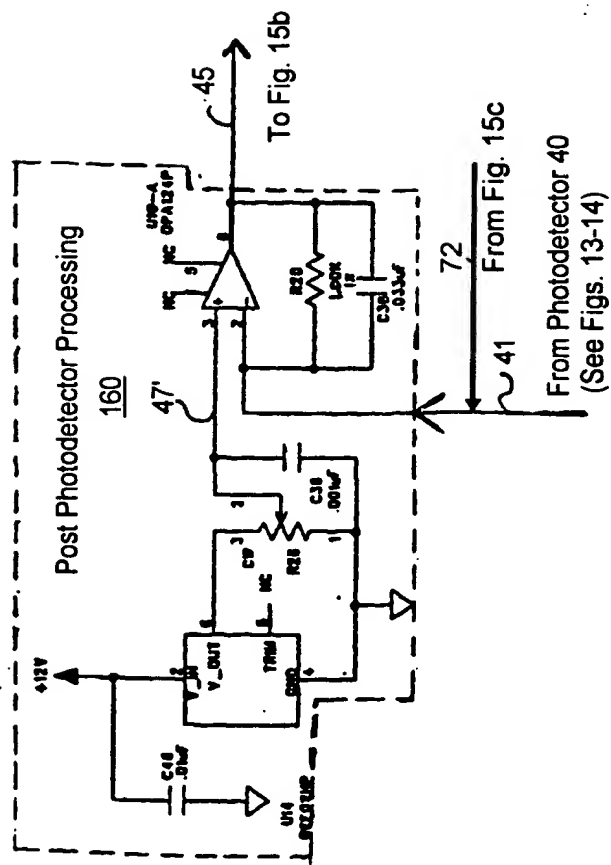


Fig. 15a

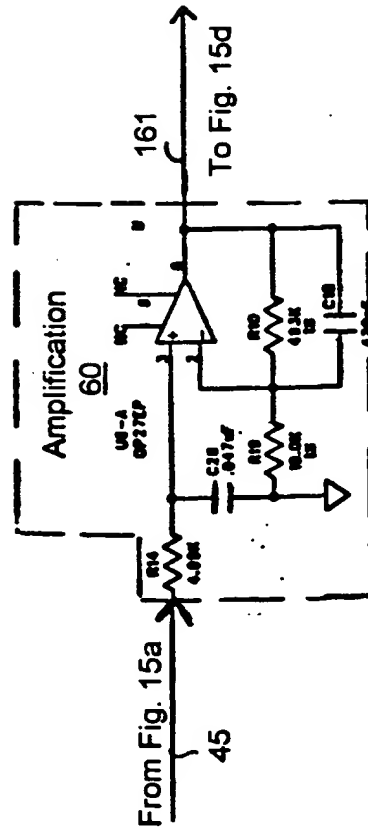


Fig. 15b

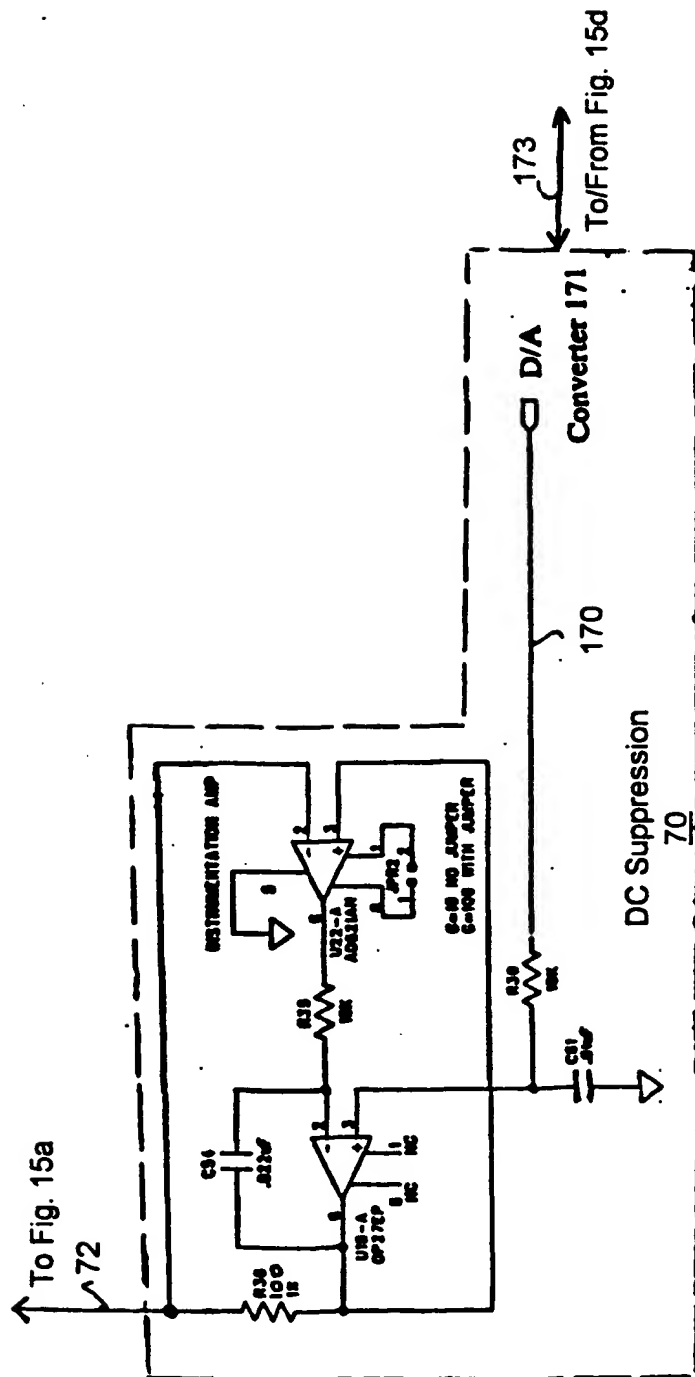
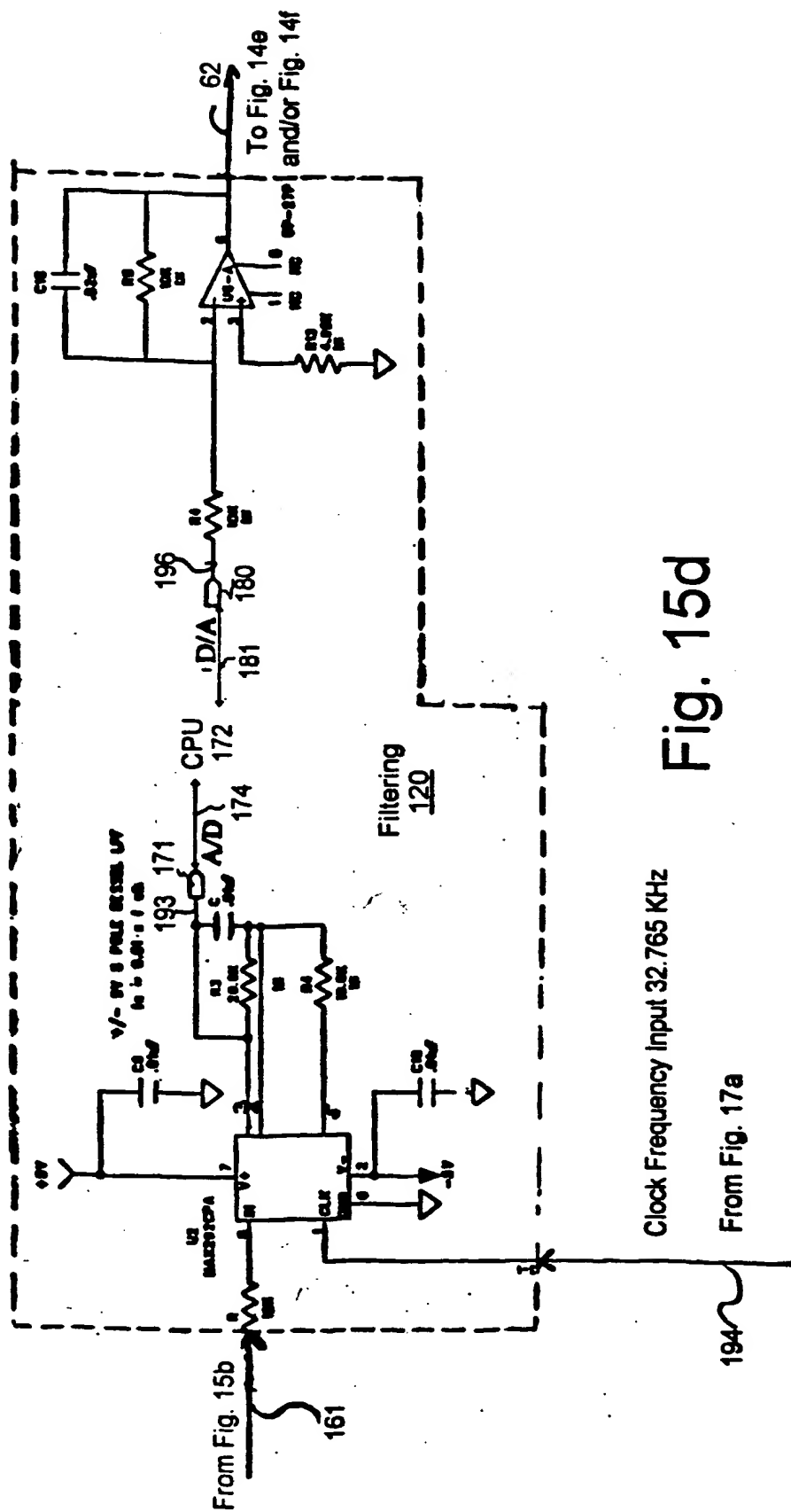


Fig. 15c

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PUBLIC
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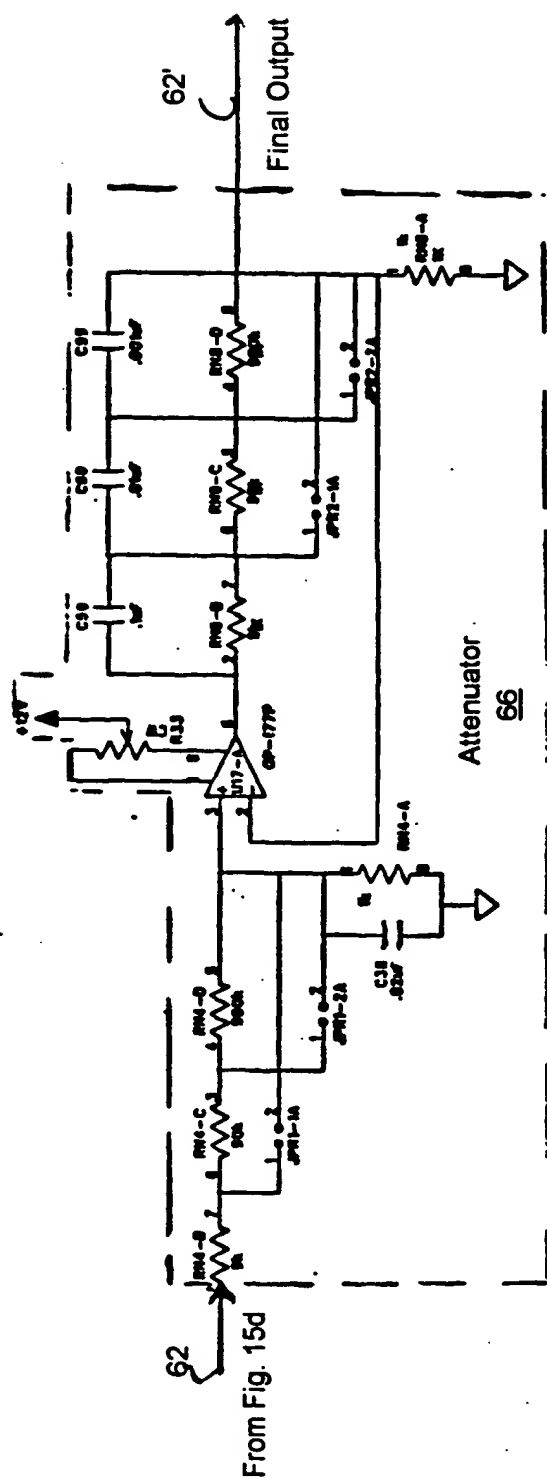


Fig. 15e

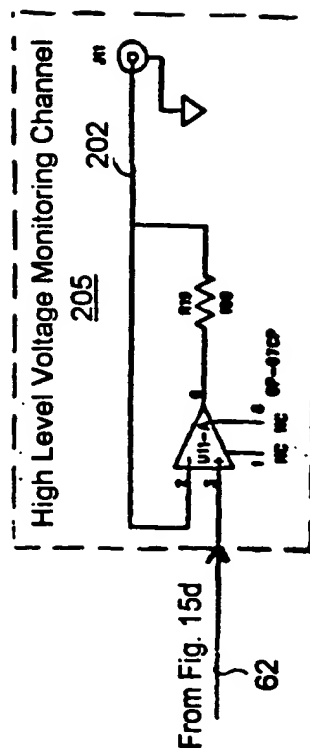


Fig. 15f

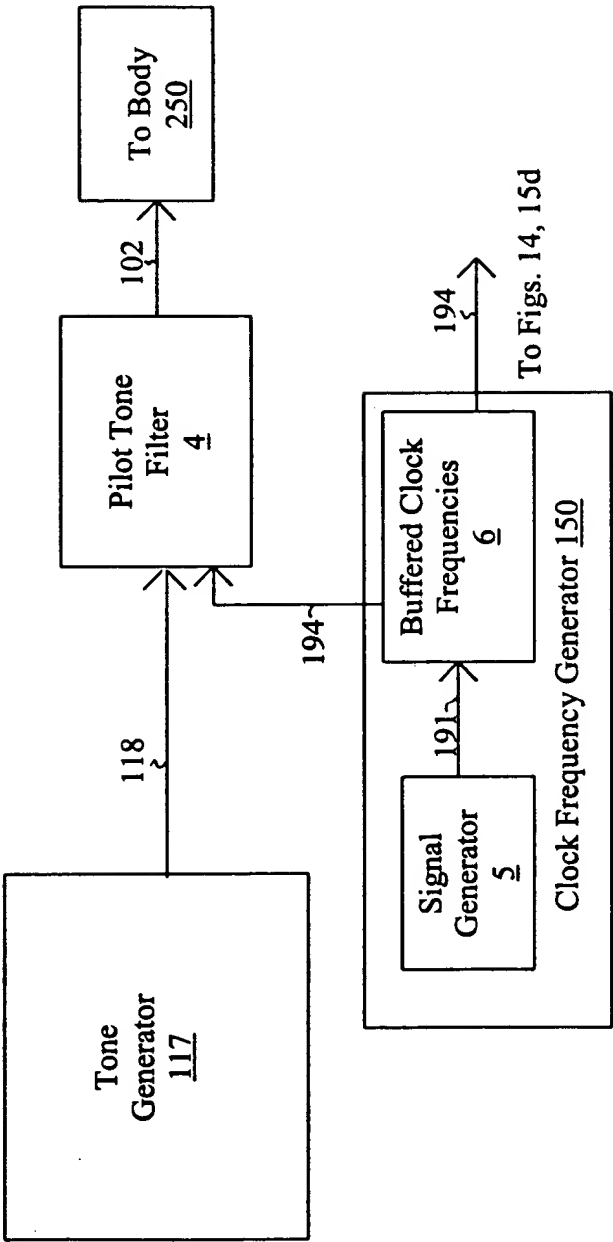


Fig. 16

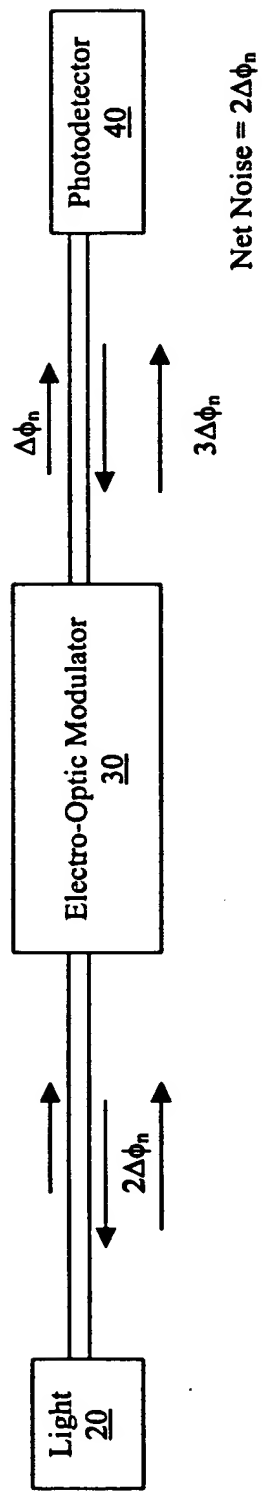


Fig. 18

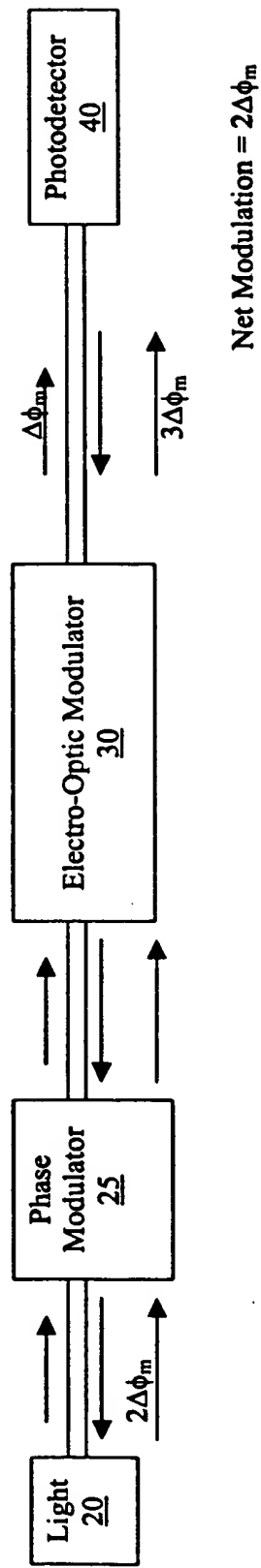


Fig. 22

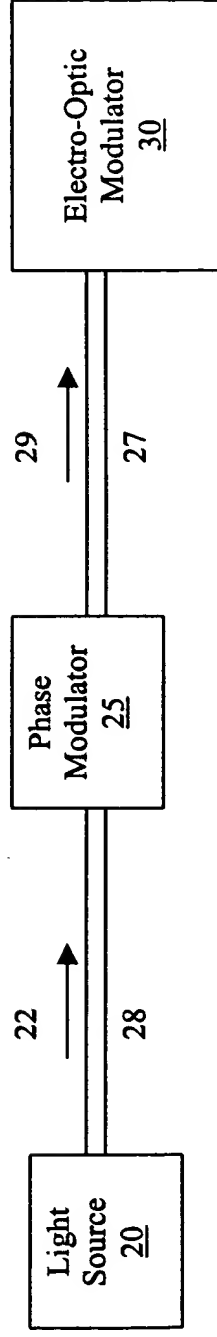


Fig. 19

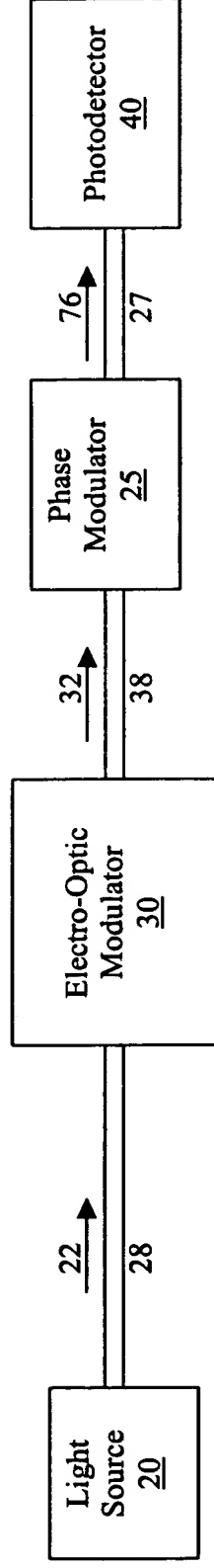


Fig. 20

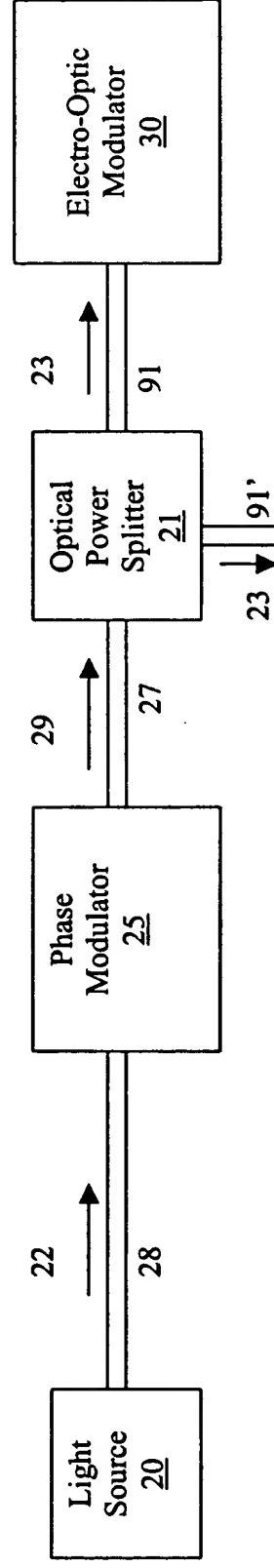


Fig. 21

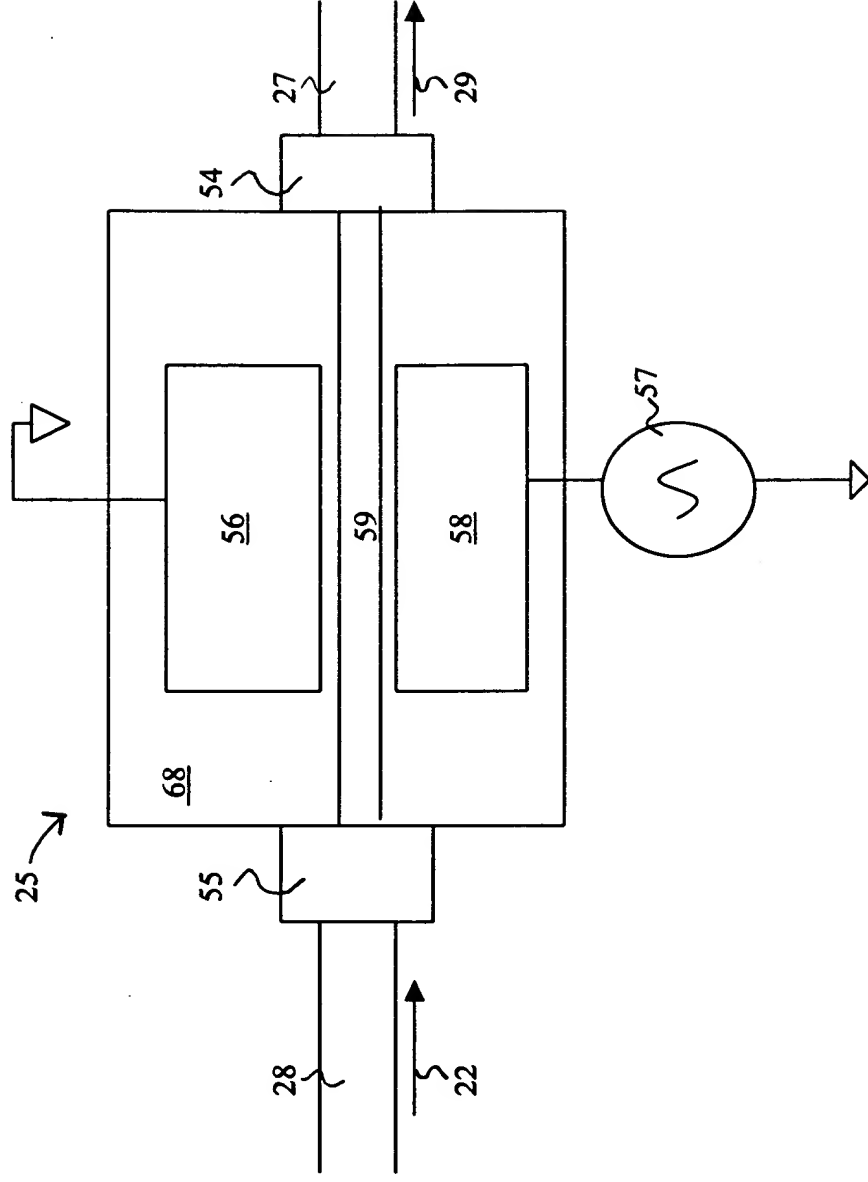
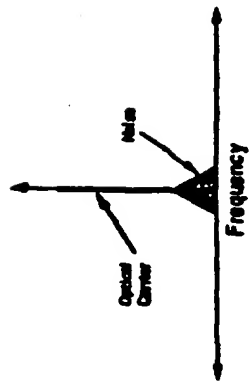
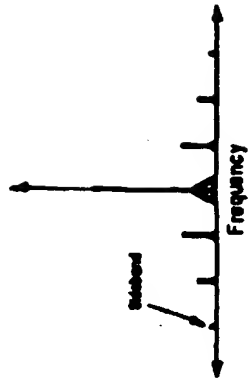


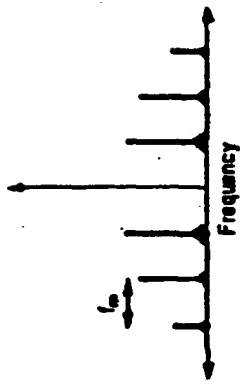
Fig. 23



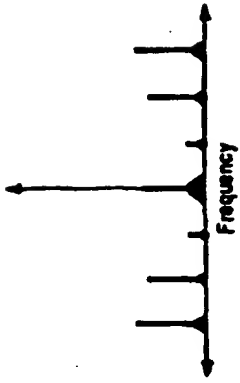
(a) Phase Modulation Index = 0 radians
Fig. 24(a)



(b) Phase Modulation Index = 1.0 radians
Fig. 24(b)



(c) Phase Modulation Index = 2.405 radians
Fig. 24(c)



(d) Phase Modulation Index = 4.0 radians
Fig. 24(d)

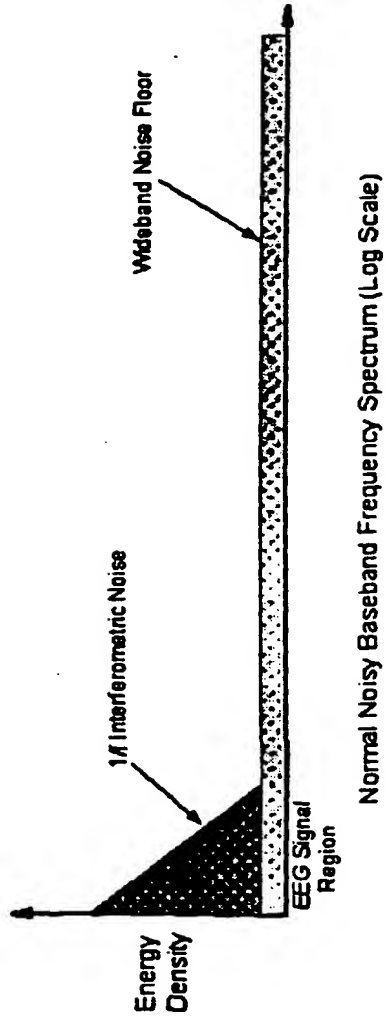


Fig. 25(a)

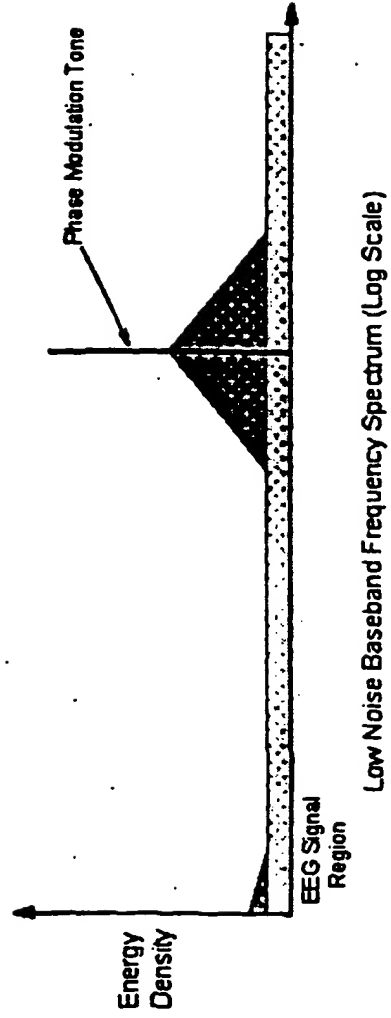
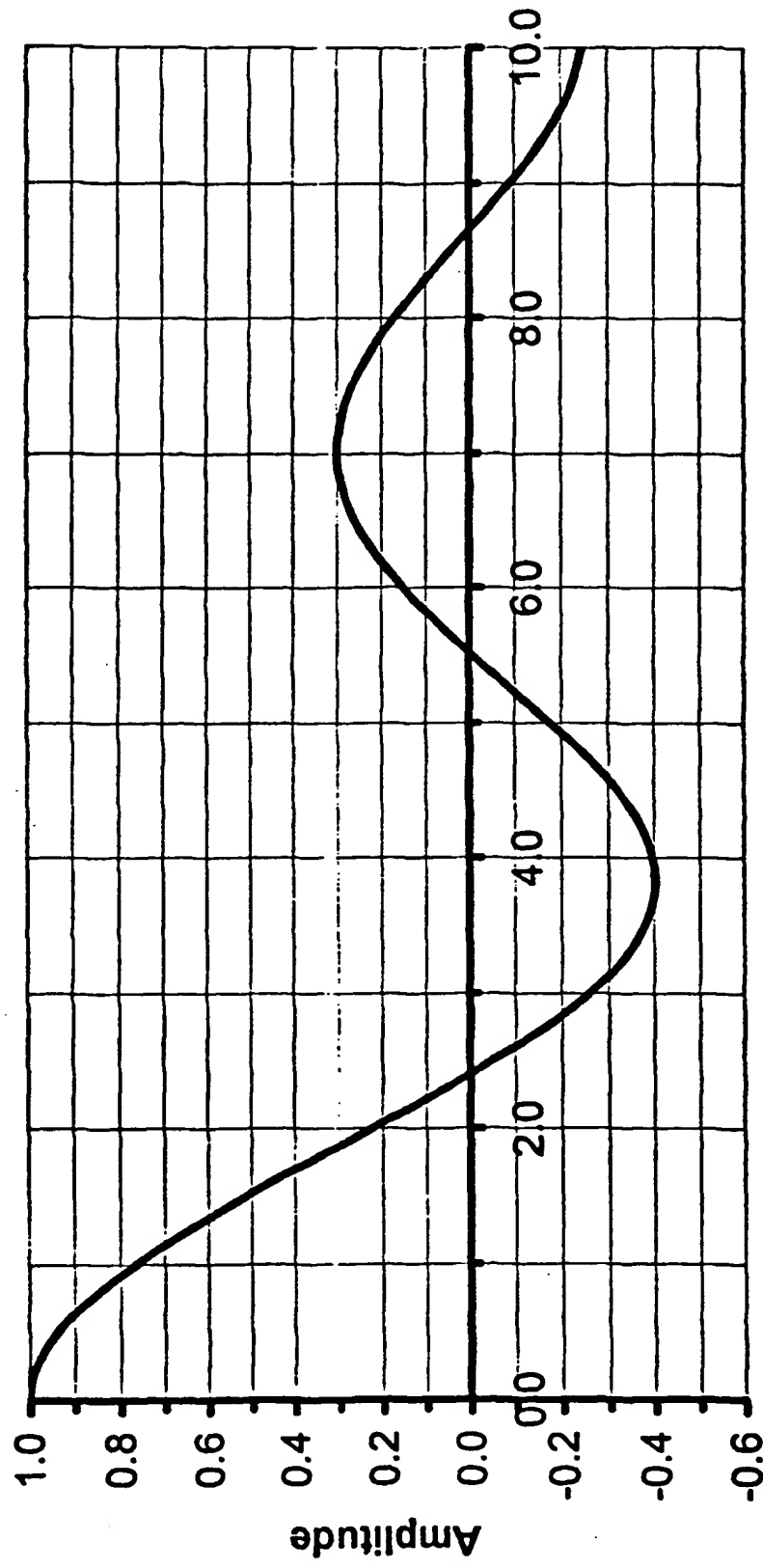


Fig. 25(b)

Bessel Function of Zero Order



Differential Phase Deviation, radians

Fig. 26

Noise Reduction Factor Versus $f_m\tau$ for External Phase Modulation

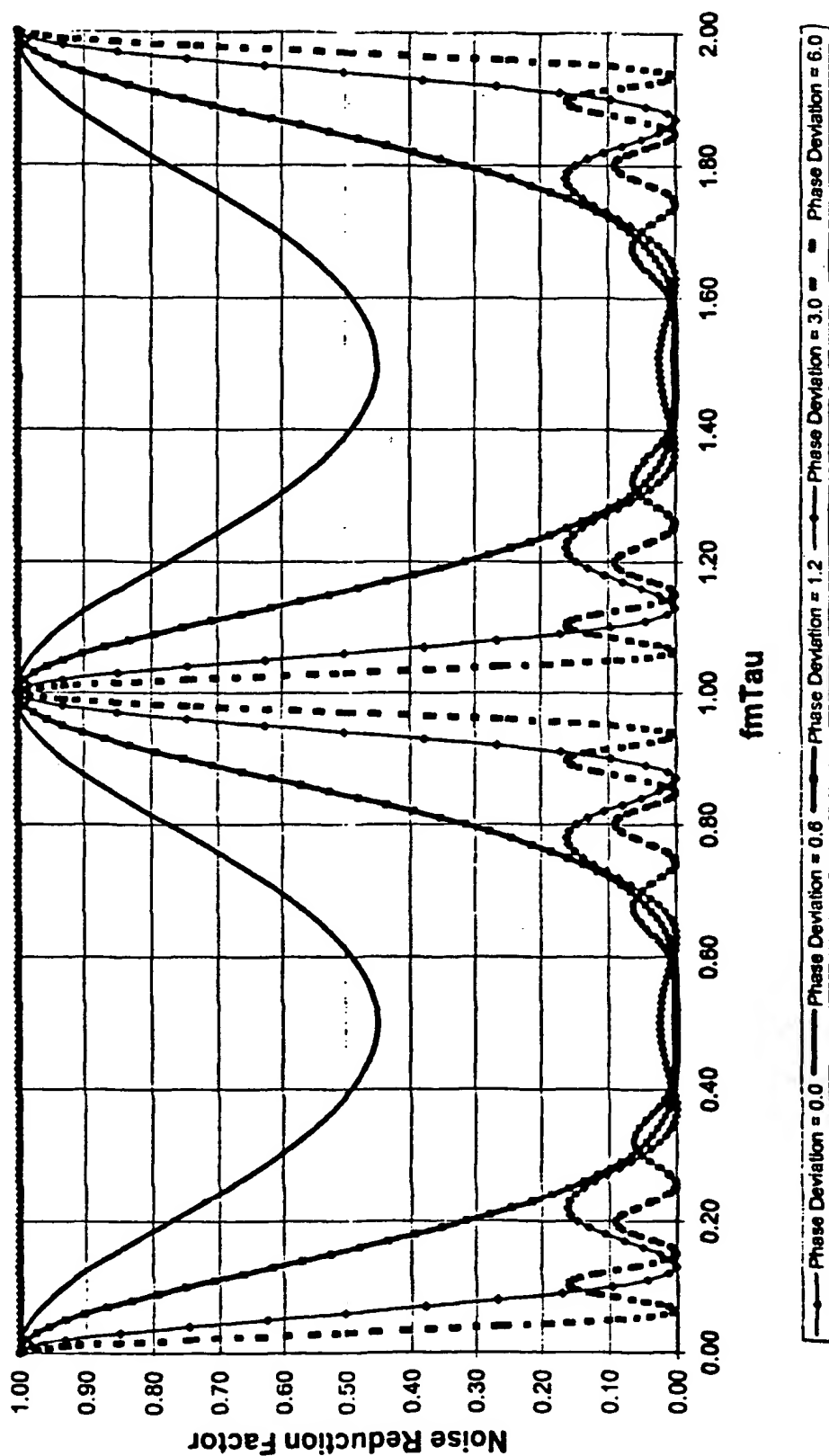


Fig. 27

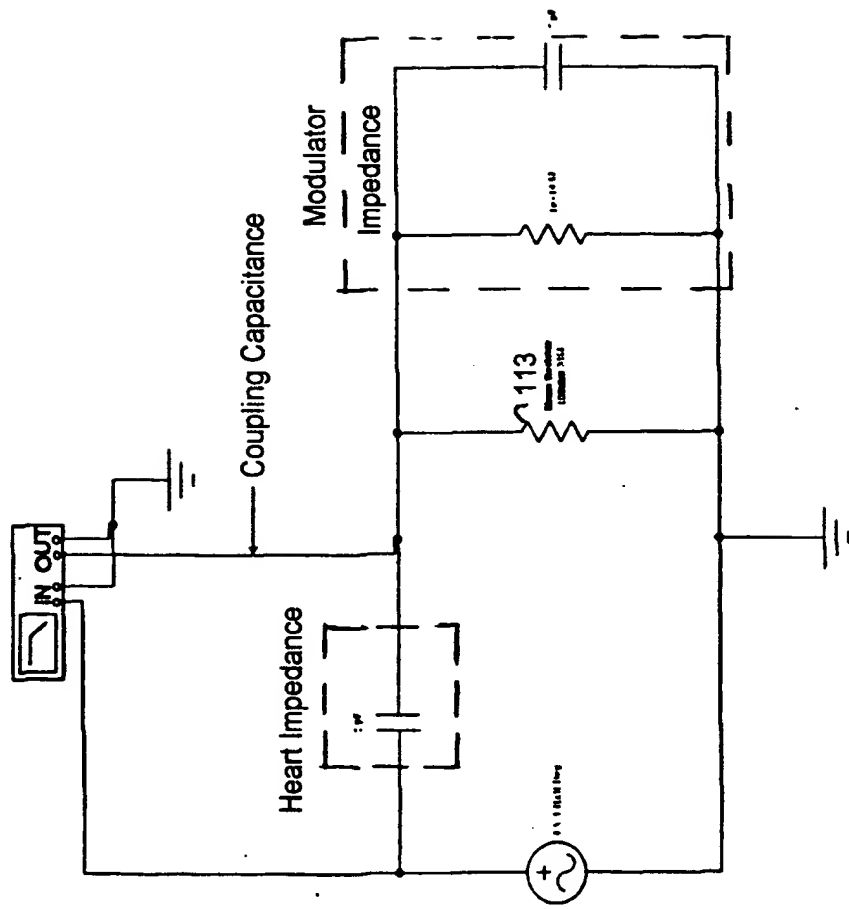


Fig. 28

RECORDED 20485860

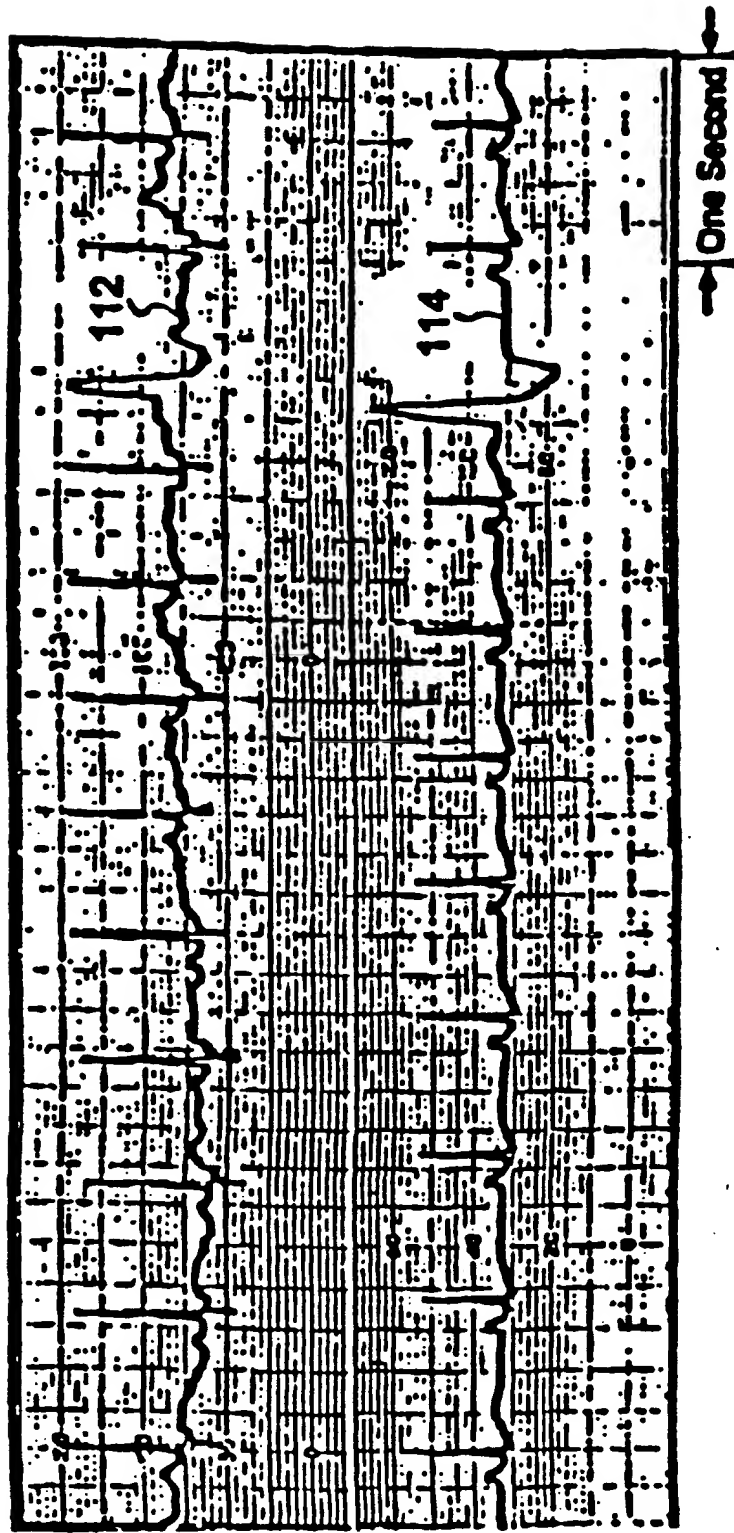


Fig. 29

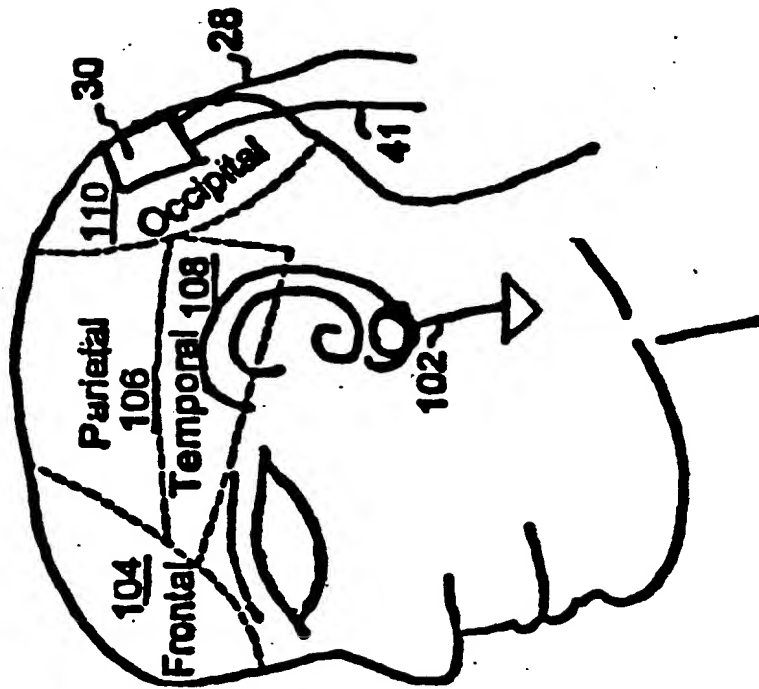


Fig. 30

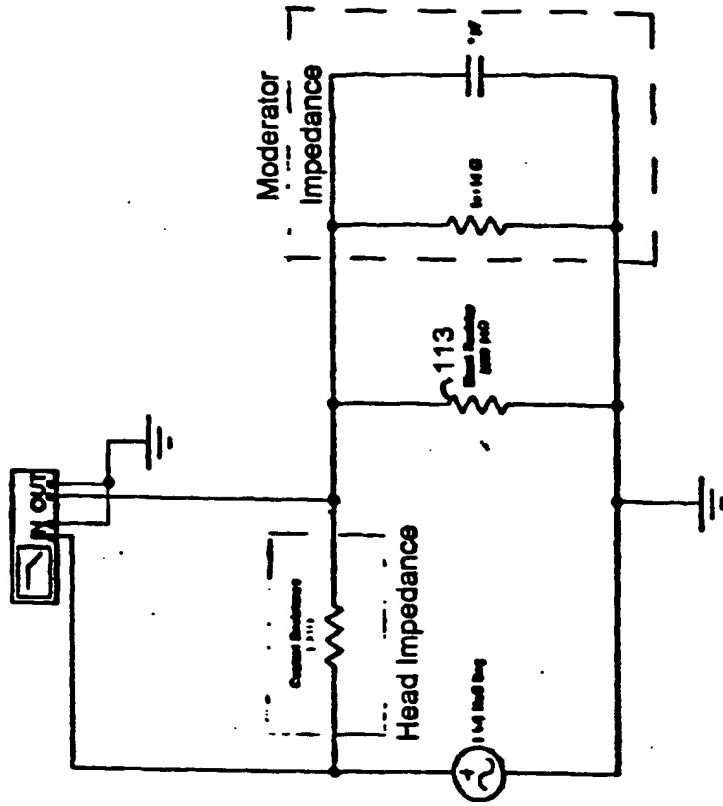


Fig. 31

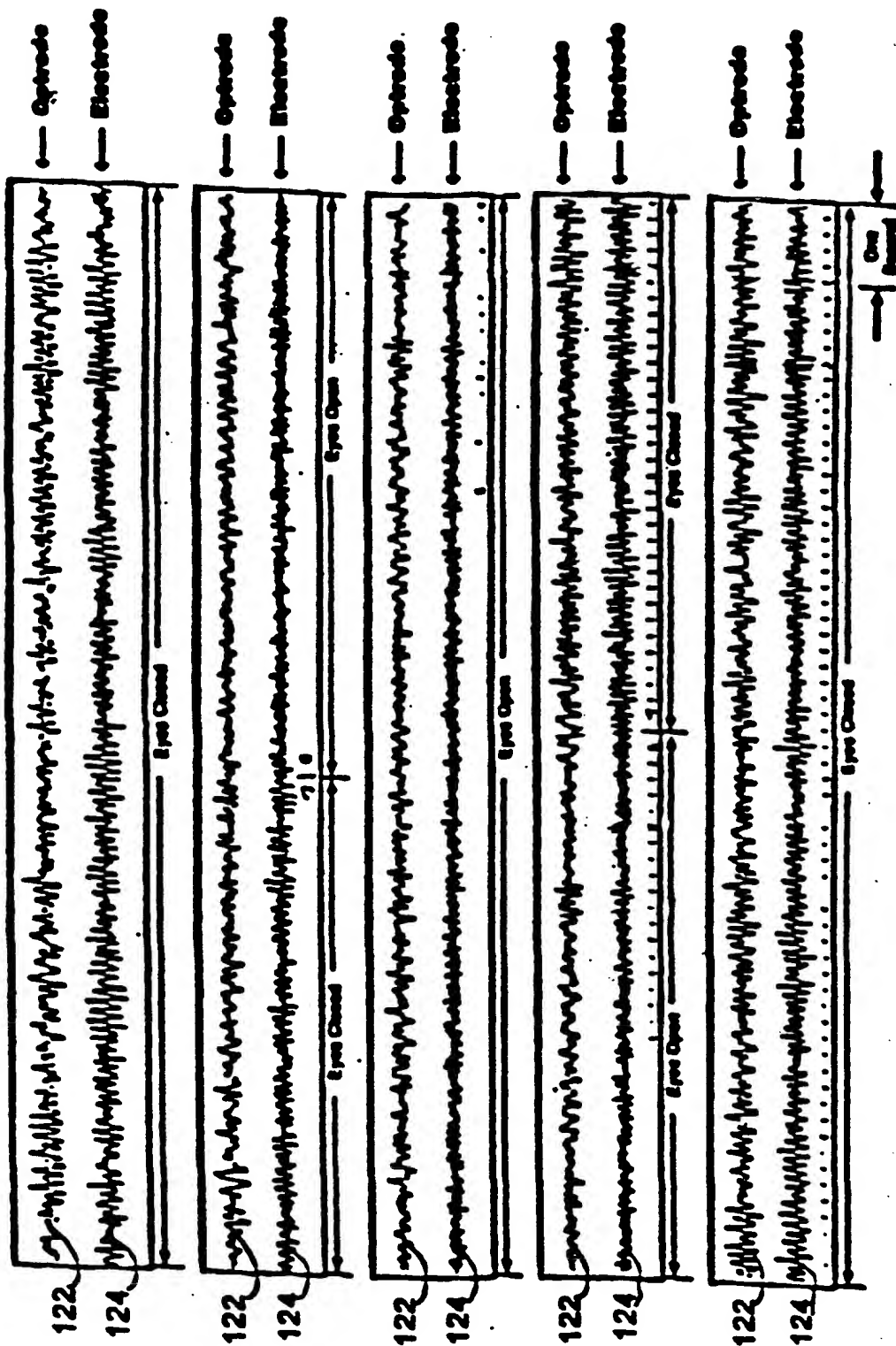


Fig. 32